

1998

Mortality Report

***for Nursing Facilities
and Related Institutions***

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1998 MORTALITY REPORT FOR NURSING FACILITIES AND RELATED INSTITUTIONS

Prepared by

**THE TEXAS DEPARTMENT OF HEALTH
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and

**THE TEXAS DEPARTMENT OF HUMAN SERVICES
Long Term Care-Regulatory**

EXECUTIVE SUMMARY

* In 1998, there were 24,994 deaths among residents of licensed Texas nursing facilities and related institutions (NF&RIs). Nearly two-thirds of all NF&RI resident deaths were female (n=16,425, 65.7 percent).

* The majority of deaths among residents of NF&RIs were of individuals 60 years of age or older (n=24,100 deaths, 96.4 percent of deaths). Less than one percent of NF&RI resident deaths were among individuals 21 years of age or younger (n=17 deaths).

* From birth to age 69, male deaths outnumbered female deaths. From age 70 on, female deaths outnumbered male deaths. By the age of 80, there were almost twice as many female deaths as male deaths.

* Most deaths occurred during the daytime and evening hours: 35.3 percent of deaths occurred between 7 a.m. and 2:59 p.m., and 32.7 percent occurred between 3 p.m. and 10:59 p.m.

* The vast majority, 84.1 percent of NF&RI resident deaths, occurred at the facility, while 10.7 percent died after transferring from the facility to a hospital. One-half a percent of NF&RI resident deaths occurred while enroute to a hospital, and 1.6 percent occurred in other locations.

* Among individuals 60 years of age or older, diseases of the heart caused approximately one-third of all deaths among both residents and non-residents of NF&RIs. Another approximately one-quarter of deaths among residents and one-third of deaths among non-residents 60 years or older were caused by malignant neoplasms (cancer) and cerebrovascular diseases combined. However, a larger proportion of deaths among residents of NF&RIs were due to cerebrovascular diseases (11.9 percent of resident deaths compared to 6.9 percent of non-resident deaths), while a larger proportion of deaths among non-residents were due to cancer (25.1 percent of non-resident deaths compared to 14.6 percent of resident deaths).

* Less than one percent of deaths among NF&RI residents 60 years of age or older were due to accidents, suicide and homicide combined, while 2.9 percent of deaths among non-residents were due to these three causes. Fractures, suffocations, and strangulations accounted for 60.9 percent of accidental deaths among residents of NF&RIs, compared to 30.0 percent of accidental deaths among non-residents.

1998 MORTALITY REPORT FOR NURSING FACILITIES AND RELATED INSTITUTIONS

This summary of deaths among residents of nursing facilities and related institutions (NF&RIs) licensed by the state of Texas is required by Section 242.134 of the Health and Safety code. In 1991, the 72nd Texas Legislature amended Section 242.134 of the Health and Safety code to change the method of reporting deaths of residents of NF&RIs. Prior to the amendment, facilities were required to make a complete report of each resident's death to the Bureau of Long Term Care, Texas Department of Health¹, which included the decedent's name, age, sex, and race; the cause of death; the time, date, and place of death; and the name and address of the facility in which the decedent resided.

The amended legislation (effective September 1, 1991) and the subsequent rules (25 TAC 145.97 effective February 1, 1992 / 40 TAC 90.127 effective September 1, 1993) recognized two important points. The first point was that much of the information previously collected from facilities was also reported on the death certificate. The second point was that, quite often, the facility had no way of knowing the official, underlying cause of death prior to submitting the death report. Facilities reported only the immediate cause of death, which was often inaccurate and provided vague or ill-defined conditions. The death certificate was, and is, the appropriate place to obtain the official and accurate cause of death, taking into account all contributing factors.

The amended legislation reduced the information collected from facilities to the name and social security number of the decedent, the date of death, and the name and address of the facility in which the decedent resided. The legislation also required the Texas Department of Human Services in cooperation with the Texas Department of Health to produce statistical reports describing patterns and trends in causes of death among residents of NF&RIs. In order to produce the reports, it was necessary to develop the capability to match and combine information collected from facilities by Long Term Care-Regulatory, Texas Department of Human Services, with information collected on death certificates by the Bureau of Vital Statistics, Texas Department of Health.

This report and subsequent reports are a cooperative effort between Long Term Care-Regulatory, Texas Department of Human Services and the Bureau of Vital Statistics, Texas Department of Health, through an interagency agreement. This information is available to the public upon request.

¹The Bureau of Long Term Care, Texas Department of Health was moved to the Texas Department of Human Services on September 1, 1993 and was renamed Long Term Care-Regulatory.

METHODS

For every death in the state of Texas, a certificate of death must be filed with the local registrar by the person in charge of interment or of removal of the body from the district (usually the funeral director) no later than ten days after the date of death. Data collected on the death certificate include the decedent's name, age, sex, and city and county of residence; the date and place of death; and all causal conditions or circumstances which led to or contributed to the death. When death results from an external cause (accident, suicide or homicide), further information is collected on the circumstances of the injury. A copy of the death certificate is retained by the local registrar in the county in which the death occurred, and the original death certificate is forwarded to the Texas Department of Health, Bureau of Vital Statistics (BVS), where it is checked for completeness and accuracy by the Records Receiving, Nosology and Statistical Services branches of the Bureau.

The cause of death is established using the Ninth Revision of the International Classification of Diseases (ICD-9). Each cause and contributing factor listed on a death certificate is categorized and coded according to the ICD-9. The single underlying cause of death is then determined through the use of a computer algorithm developed by the National Center for Health Statistics, the Automated Classification of Medical Entities, which takes into account the multiple causal factors and all medical information listed on the certificate. The process of coding cause of death is very complex. It requires highly trained staff to use the ICD-9 rules to evaluate and code the multiple morbid and related medical conditions reported by the certifier of the death (physician, medical examiner or coroner). The accuracy and complete-

ness of reporting by the certifier impacts the quality of the derived underlying cause of death. Although the certification process and the classification conventions are not exact sciences, they are the universally accepted method of classifying causes of death.

Nursing facilities and related institutions (NF&RIs) licensed by the state of Texas must report residents' deaths to the Texas Department of Human Services (TDHS) within 10 working days after the last day of the month in which a resident of the institution dies. Residents who were transferred from the facility to a hospital and who died within 24 hours must also be reported. The deaths reported to TDHS by NF&RIs are matched to the BVS death certificate file. Records from the TDHS file which could not be matched to the death certificate file are manually searched for discrepancies (spelling of the decedent's name, date of death, incorrect social security number, etc.) which might have prevented a match. Records matched in this manner are corrected in the TDHS database and subsequently matched back to the BVS death certificate file. BVS death records which indicate the decedent may have been a resident of a nursing facility or related institution but which could not be matched to a record in the TDHS database are returned to the facility for verification and correction. Records verified as deaths of NF&RI residents are returned to TDHS for entry into the file; records which indicate that the decedent was not a resident of a licensed nursing facility or related institution are corrected in the BVS death file.

As noted in the 1992 report, it is difficult to match data files from different sources. In 1992, 17,466 deaths were reported by NF&RIs; 17,239 (98.7 percent) of these deaths were matched to original death certificates. In 1993, 25,009 deaths were reported by NF&RI facilities; 24,865 (99.4 percent) of these deaths were matched to original death certificates, an increase of 44.2 percent over the number of matched deaths in 1992. In 1994, 25,500 deaths were reported by NF&RI facilities and 25,312 (99.3 percent) were matched to death certificates, an increase of 1.8 percent over the number of matched deaths in 1993. Both for 1995 and 1996, the number of deaths matched remained at 99.2%. In 1995, 26,035 deaths were reported by NF&RI facilities and 25,830 were matched to death certificates. For 1996, 27,236 deaths were reported and 27,011 matched. In 1997, 26,382 deaths were reported by NF&RI facilities and 26,025 were matched to death certificates (98.6 percent). In 1998, 25,372 deaths were reported by NF&RI's and 24,994 were matched to death certificates (98.5 percent). For this report, only the 24,994 matched deaths in 1998 from the two reporting systems are used.

Patterns in causes of death are often described using crude mortality rates and cause-specific mortality rates. Both of these statistics relate the number of deaths (total deaths for the crude rate, deaths due to a particular cause for the cause-specific rate) which occurred during a specified time period (typically one year) to the number of individuals in the relevant population group. However, it is difficult to obtain an accurate count of all NF&RI residents to use as the population base for these rates, and therefore crude and cause-specific mortality rates for residents of NF&RIs are not presented in this report. Instead, we use the percent distribution of deaths according to cause of death to describe patterns in cause of death among NF&RI residents, and to compare NF&RI residents' deaths with deaths among non-residents of NF&RIs. The percent distribution is calculated as the number of deaths due to a specific cause divided by the total number of deaths, and then multiplied by 100. It is important to note that patterns in causes of death vary widely according to age group. Because the majority of NF&RI residents are 60 years of age and older, cause of death comparisons between residents and non-residents of NF&RIs are shown only for individuals who were 60 years of age or older at the time of death.

The tabulations presented in this report are for deaths among residents of nursing facilities and related institutions licensed by the state of Texas. Data are provided for the state and for the 11 human services regions. Deaths among residents of NF&RIs are tabulated according to the human services region in which the facility is located; deaths among non-residents of NF&RIs (the comparison group) are tabulated according to the human services region in which the decedent resided.

GLOSSARY

Bureau of Vital Statistics (BVS): The office within the Texas Department of Health charged with the implementation of the Texas Vital Statistics Law (Texas Health and Safety Code, Title 3). Functions within the Bureau include the registration, preparation, transcription, collection, compilation, and preservation of data pertaining to births, adoptions, legitimations, deaths, stillbirths, marital status, and data incidental thereto.

Cause of death: Any condition which leads to or contributes to death and is classifiable according to the ninth revision of The International Classification of Diseases (ICD-9).

External cause of death: Death caused by Accidents and Adverse Effects (ICD-9 codes E800-E949), Suicide (E950-E959), Homicide and Legal Intervention (E960-E978), and other outside causes (E980-E999).

ICD-9: The International Classification of Diseases, 9th revision. A system for classifying diseases and injuries developed by the World Health Organization and used worldwide to improve comparability of cause of death statistics reported from different countries. The ninth revision has been in use since January 1, 1979.

Licensed facility: An institution as defined in the Health & Safety Code 242.002, and includes a nursing facility and a facility serving persons with mental retardation or related conditions.

Long Term Care-Regulatory: The division within the Texas Department of Human Services that has the regulatory authority/responsibility for all licensed facilities.

Nosology: The division of the Bureau of Vital Statistics that classifies, for statistical purposes, the causes of death (based on the ICD-9) for deaths that occur in Texas and deaths of Texas residents that occur outside of Texas; the branch of medical science that deals with the classification of diseases.

Nursing facility (NF): An establishment that provides food, shelter, and nursing care to four or more persons who are unrelated to the owner of the establishment and that provides minor treatment under the direction and supervision of a physician licensed by the Texas State Board of Medical Examiners, or other services that meet some need beyond the basic provision of food, shelter, or laundry. A nursing facility may be a building, which may consist of one or more floors or one or more units, or may be a distinct part of a hospital licensed by the Texas Department of Human Services as a nursing facility.

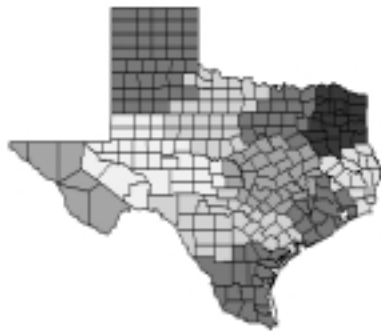
Related institution (RI): An establishment as defined in the Health & Safety Code, Section 242.002 and includes a facility serving persons with mental retardation or a related condition.

Skilled nursing facility (SNF): A nursing facility or distinct part of a facility that is licensed by the Texas Department of Human Services and participates in the Medicare program. Skilled nursing facility requirements apply when a certified facility is billing Medicare for a resident's per diem rate.

Skilled nursing facility/Nursing facility (SNF/NF): A facility or part of a facility that is licensed and certified to participate both in the Medicare and Medicaid programs.

Underlying cause of death: The disease or injury which initiated the train of morbid events leading directly to death, or the circumstances of the accident or violence which produced the fatal injury.

**1998 MORTALITY TABLES
FOR
NURSING FACILITIES
AND
RELATED INSTITUTIONS**



TEXAS TOTAL

DEMOGRAPHICS¹

Licensed Facilities 1,878
 Licensed Beds 134,457
 # Of Deaths 24,994
 Mean Age at Death 83.2

¹ Includes data from licensed nursing facilities and facilities for the mentally retarded.

TIME OF DEATH BY PLACE OF DEATH

	TOTAL	7a-2:59p	3p-10:59p	11P-5:59a	UKN
Nursing Home	20,693	7,045	6,644	6,517	487
Inpatient	2,631	893	804	769	165
ER/Outpatient	1,149	452	325	290	82
DOA-Hospital	131	37	39	55	0
Other/unk	390	126	114	139	11
TOTAL	24,994	8,553	7,926	7,770	745

AGE AT DEATH BY MONTH OF DEATH

AGE	TOTAL	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0-21	17	2	2	2	2	1	1	1	0	0	2	0	4
22-49	353	24	32	39	29	33	30	33	41	29	21	15	27
50-59	498	49	34	43	39	46	41	44	43	50	26	29	54
60-69	1,379	119	100	129	133	136	116	128	107	89	105	114	103
70-79	4,948	504	435	493	404	440	420	414	399	335	383	375	346
80-89	10,542	1,067	987	1,002	905	921	862	889	813	700	783	819	794
90+	7,231	752	658	702	579	659	571	563	573	503	557	528	586
TOTAL*	24,994	2,522	2,250	2,411	2,094	2,236	2,044	2,074	1,981	1,707	1,878	1,881	1,916

*Includes individuals with unknown causes

CAUSES OF DEATH AMONG INDIVIDUALS 60 YEARS OF AGE AND OLDER, FOR RESIDENTS AND NON-RESIDENTS OF NURSING FACILITIES AND RELATED INSTITUTIONS (NF&RI)

CAUSE	1CD-9 CODE	NF&RI RESIDENTS NUMBER	NF&RI RESIDENTS PERCENT	NF&RI NON-RESIDENTS NUMBER	NF&RI NON-RESIDENTS PERCENT
ALL CAUSES		24,100	100.00	85,714	100.00
SELECTED NATURAL CAUSES					
Septicemia	038	211	0.88	1,082	1.26
Malignant Neoplasms	140-208	3,507	14.55	21,546	25.14
Diabetes Mellitus	250	905	3.76	3,105	3.62
Malnutrition	263	84	0.35	140	0.16
Dehydration	276.5	105	0.44	129	0.15
Diseases of Heart	390-398, 402, 404-429	7,954	33.00	28,980	33.81
Hypertension	401, 403	250	1.04	665	0.78
Cerebrovascular Diseases	430-438	2,858	11.86	5,917	6.90
Atherosclerosis	440	378	1.57	477	0.56
Pneumonia & Influenza	480-487	1,109	4.60	3,006	3.51
Chronic Obstructive Pulmonary Disease	490-496	1,198	4.97	4,903	5.72
Ulcer (Stomach & Duodenum)	531-533	49	0.20	200	0.23
Hernia and Intestinal Obstruction	550-553, 560	63	0.26	315	0.37
Chronic Liver Disease	571	130	0.54	799	0.93
Nephritis	580-589	228	0.95	678	0.79
SELECTED EXTERNAL CAUSES					
Accidents (all)	E800-E949	230	0.95	1,996	2.33
Fracture	E887, E888	107	0.44	497	0.58
Drowning	E910.4, E910.8, E910.9	0	0.00	30	0.04
Suffocation/Strangulation	E911-E913	33	0.14	102	0.12
Concussion	E928.9	10	0.04	74	0.09
Suicide	E950-E959	1	0.00	445	0.52
Homicide	E960-E978	3	0.01	78	0.09
ALL OTHER CAUSES		4,837	20.07	11,253	13.13

TEXAS TOTAL Continued
NURSING HOME DEATHS BY CAUSE OF DEATH, GENDER AND AGE

		0-21	22-49	50-59	60-69	70-79	80-89	90+	TOTAL *
ALL CAUSES	male	12	211	284	734	2217	3545	1560	8569
	female	5	142	214	645	2731	6997	5671	16425
SELECTED NATURAL CAUSES									
Septicemia	male	0	3	4	5	21	28	15	77
	female	0	0	1	2	22	62	56	143
Malignant Neoplasms	male	1	53	113	256	579	589	178	1771
	female	1	50	71	209	561	794	341	2029
Diabetes Mellitus	male	0	6	13	54	105	125	36	339
	female	0	4	17	43	166	251	125	607
Malnutrition	male	0	0	1	0	3	7	5	16
	female	0	0	0	0	13	22	34	69
Dehydration	male	0	0	0	2	8	12	6	28
	female	0	0	0	0	9	32	36	77
Diseases of Heart	male	0	22	39	148	564	1074	563	2411
	female	0	16	36	137	673	2439	2356	5661
(Cardiac Arrest < 62 yrs)	male	0	0	1	0	-	-	-	1
	female	0	0	3	0	-	-	-	3
Hypertension	male	0	2	5	6	15	29	14	71
	female	0	1	0	5	33	93	55	187
Cerebrovascular Diseases	male	0	11	29	50	214	383	168	856
	female	0	5	23	52	323	911	757	2076
Atherosclerosis	male	0	0	1	2	24	53	27	107
	female	0	0	2	3	26	105	138	275
Pneumonia & Influenza	male	1	2	6	29	75	189	107	410
	female	1	3	4	10	89	305	305	718
Chronic Obstructive Pulmonary Disease	male	0	6	11	44	146	226	83	516
	female	0	2	10	58	205	314	122	711
Ulcer (Stomach & Duodenum)	male	0	1	1	2	3	9	3	19
	female	0	0	0	0	6	17	9	32
Hernia and Intestinal Obstruction	male	0	0	1	0	5	9	1	16
	female	0	1	0	0	9	21	18	49
Chronic Liver Disease	male	0	15	20	22	20	11	1	89
	female	0	3	6	15	35	20	6	85
Nephritis	male	0	1	0	7	15	33	29	85
	female	0	1	2	5	19	54	66	147
SELECTED EXTERNAL CAUSES									
Accidents (all)	male	4	13	7	5	21	47	19	116
	female	0	9	3	8	22	56	52	150
Fracture	male	0	0	0	0	7	19	10	36
	female	0	0	0	2	7	34	28	71
Drowning	male	0	0	0	0	0	0	0	0
	female	0	1	0	0	0	0	0	1
Suffocation/Strangulation	male	1	2	1	2	2	6	1	15
	female	0	0	0	1	6	7	8	22
Concussion	male	0	1	1	0	1	3	0	6
	female	0	0	1	0	1	2	3	7
Suicide	male	1	1	0	0	0	0	0	2
	female	0	2	0	0	1	0	0	3
Homicide	male	0	1	0	1	0	1	0	3
	female	0	1	0	0	0	1	0	2
ALL OTHER CAUSES									
	male	5	74	33	101	399	720	305	1637
	female	3	44	39	98	519	1500	1195	3404

*Total includes individuals with unknown ages.



REGION 1

DEMOGRAPHICS¹

Licensed Facilities **113**
 Licensed Beds **7,187**
 # Of Deaths **1,188**
 Mean Age at Death **83.4**

¹ Includes data from licensed nursing facilities and facilities for the mentally retarded.

TIME OF DEATH BY PLACE OF DEATH

	TOTAL	7a-2:59p	3p-10:59p	11P-5:59a	UKN
Nursing Home	1,018	371	301	279	67
Inpatient	115	41	31	26	17
ER/Outpatient	32	15	5	1	6
DOA-Hospital	1	0	1	0	0
Other/unk	22	8	6	6	2
TOTAL	1,188	435	344	319	90

AGE AT DEATH BY MONTH OF DEATH

AGE	TOTAL	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0-21	1	0	0	0	0	0	0	0	0	0	0	0	1
22-49	20	1	0	2	3	2	0	6	1	1	3	1	0
50-59	10	0	1	1	1	1	0	0	0	3	0	0	3
60-69	64	4	2	4	4	6	6	7	4	4	10	3	10
70-79	228	19	23	21	15	17	17	20	20	20	17	21	18
80-89	536	33	49	54	37	39	43	39	47	49	49	49	48
90+	328	22	34	36	28	27	21	22	22	33	31	20	32
TOTAL*	1,188	79	109	118	89	92	87	94	94	110	110	94	112

*Includes individuals with unknown causes

CAUSES OF DEATH AMONG INDIVIDUALS 60 YEARS OF AGE AND OLDER, FOR RESIDENTS AND NON-RESIDENTS OF NURSING FACILITIES AND RELATED INSTITUTIONS (NF&RI)

CAUSE	1CD-9 CODE	NF&RI RESIDENTS NUMBER	NF&RI RESIDENTS PERCENT	NF&RI NON-RESIDENTS NUMBER	NF&RI NON-RESIDENTS PERCENT
ALL CAUSES		1,156	100.00	4,182	100.00
SELECTED NATURAL CAUSES					
Septicemia	038	13	1.12	37	0.88
Malignant Neoplasms	140-208	143	12.37	1,007	24.08
Diabetes Mellitus	250	45	3.89	126	3.01
Malnutrition	263	5	0.43	7	0.17
Dehydration	276.5	9	0.78	8	0.19
Diseases of Heart	390-398, 402, 404-429	381	32.96	1,394	33.33
Hypertension	401, 403	13	1.12	19	0.45
Cerebrovascular Diseases	430-438	137	11.85	262	6.26
Atherosclerosis	440	7	0.61	17	0.41
Pneumonia & Influenza	480-487	55	4.76	160	3.83
Chronic Obstructive Pulmonary Disease	490-496	66	5.71	321	7.68
Ulcer (Stomach & Duodenum)	531-533	2	0.17	10	0.24
Hernia and Intestinal Obstruction	550-553, 560	5	0.43	16	0.38
Chronic Liver Disease	571	5	0.43	33	0.79
Nephritis	580-589	11	0.95	33	0.79
SELECTED EXTERNAL CAUSES					
Accidents (all)	E800-E949	17	1.52	137	3.28
Fracture	E887, E888	7	0.61	41	0.98
Drowning	E910.4, E910.8, E910.9	0	0.00	0	0.00
Suffocation/Strangulation	E911-E913	2	0.17	7	0.17
Concussion	E928.9	0	0.00	3	0.07
Suicide	E950-E959	0	0.00	16	0.38
Homicide	E960-E978	0	0.00	7	0.17
ALL OTHER CAUSES		242	20.93	572	13.68

REGION 1 Continued **NURSING HOME DEATHS BY CAUSE OF DEATH, GENDER AND AGE**

		0-21	22-49	50-59	60-69	70-79	80-89	90+	TOTAL *
ALL CAUSES	male	1	8	7	27	115	188	75	422
	female	0	12	3	37	113	348	253	766
SELECTED NATURAL CAUSES									
Septicemia	male	0	0	0	1	1	3	0	5
	female	0	0	0	0	3	3	2	8
Malignant Neoplasms	male	0	1	1	9	26	21	5	63
	female	0	3	1	10	21	34	17	86
Diabetes Mellitus	male	0	1	2	1	4	7	1	16
	female	0	0	0	2	10	12	8	32
Malnutrition	male	0	0	0	0	0	0	1	1
	female	0	0	0	0	0	1	3	4
Dehydration	male	0	0	0	0	1	0	0	1
	female	0	0	0	0	2	3	3	8
Diseases of Heart	male	0	0	2	6	23	64	27	122
	female	0	2	2	8	23	116	114	265
(Cardiac Arrest < 62 yrs)	male	0	0	0	0	-	-	-	0
	female	0	0	0	0	-	-	-	0
Hypertension	male	0	1	0	1	1	3	0	6
	female	0	0	0	0	0	7	1	8
Cerebrovascular Diseases	male	0	1	0	2	16	7	6	32
	female	0	0	0	6	15	50	35	106
Atherosclerosis	male	0	0	0	0	0	2	0	2
	female	0	0	0	0	0	0	5	5
Pneumonia & Influenza	male	1	0	0	2	1	11	7	23
	female	0	0	0	0	4	21	9	34
Chronic Obstructive Pulmonary Disease	male	0	1	0	2	12	15	5	35
	female	0	0	0	4	11	14	3	32
Ulcer (Stomach & Duodenum)	male	0	0	0	0	0	1	0	1
	female	0	0	0	0	0	1	0	1
Hernia and Intestinal Obstruction	male	0	0	0	0	0	2	0	2
	female	0	0	0	0	1	1	1	3
Chronic Liver Disease	male	0	2	0	1	2	0	0	5
	female	0	1	0	0	0	2	0	3
Nephritis	male	0	0	0	1	1	2	2	6
	female	0	0	0	0	0	2	3	5
SELECTED EXTERNAL CAUSES									
Accidents (all)	male	0	0	0	0	1	4	3	8
	female	0	1	0	2	1	4	2	10
Fracture	male	0	0	0	0	0	2	1	0
	female	0	0	0	0	1	2	1	0
Drowning	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	0	0	0	0
Suffocation/Strangulation	male	0	0	0	0	0	0	0	0
	female	0	0	0	1	0	0	1	0
Concussion	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	0	0	0	0
Suicide	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	0	0	0	0
Homicide	male	0	0	0	0	0	0	0	0
	female	0	1	0	0	0	0	0	0
ALL OTHER CAUSES	male	0	1	2	1	26	46	18	94
	female	0	4	0	5	22	77	47	155

*Total includes individuals with unknown ages.



REGION 2

DEMOGRAPHICS¹

Licensed Facilities **132**
 Licensed Beds **9,138**
 # Of Deaths **1,263**
 Mean Age at Death **84.1**

¹ Includes data from licensed nursing facilities and facilities for the mentally retarded.

TIME OF DEATH BY PLACE OF DEATH

	TOTAL	7a-2:59p	3p-10:59p	11P-5:59a	UKN
Nursing Home	977	327	334	305	11
Inpatient	204	67	62	66	9
ER/Outpatient	69	34	23	11	1
DOA-Hospital	1	1	0	0	0
Other/unk	12	2	4	6	0
TOTAL	1,263	431	423	388	21

AGE AT DEATH BY MONTH OF DEATH

AGE	TOTAL	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0-21	0	0	0	0	0	0	0	0	0	0	0	0	0
22-49	12	1	2	0	2	0	2	2	1	2	0	0	0
50-59	12	3	1	1	0	1	0	0	1	2	1	1	1
60-69	72	5	3	6	8	7	6	5	5	3	7	9	8
70-79	229	11	29	15	28	20	22	22	18	16	18	16	14
80-89	522	43	59	48	53	46	35	42	43	35	39	35	44
90+	415	25	38	24	45	36	35	28	40	33	31	35	45
TOTAL*	1263	88	132	94	136	110	100	99	109	91	96	96	112

*Includes individuals with unknown causes

CAUSES OF DEATH AMONG INDIVIDUALS 60 YEARS OF AGE AND OLDER, FOR RESIDENTS AND NON-RESIDENTS OF NURSING FACILITIES AND RELATED INSTITUTIONS (NF&RI)

CAUSE	1CD-9 CODE	NF&RI RESIDENTS NUMBER	NF&RI RESIDENTS PERCENT	NF&RI NON-RESIDENTS NUMBER	NF&RI NON-RESIDENTS PERCENT
ALL CAUSES		1,238	100.00	3,768	100.00
SELECTED NATURAL CAUSES					
Septicemia	038	20	1.62	45	1.19
Malignant Neoplasms	140-208	155	12.52	906	24.04
Diabetes Mellitus	250	54	4.36	123	3.26
Malnutrition	263	7	0.57	11	0.29
Dehydration	276.5	3	0.24	7	0.19
Diseases of Heart	390-398, 402, 404-429	416	33.60	1,290	34.24
Hypertension	401, 403	15	1.21	23	0.61
Cerebrovascular Diseases	430-438	154	12.44	301	7.99
Atherosclerosis	440	28	2.26	28	0.74
Pneumonia & Influenza	480-487	60	4.85	176	4.67
Chronic Obstructive Pulmonary Disease	490-496	61	4.93	185	4.91
Ulcer (Stomach & Duodenum)	531-533	3	0.24	13	0.35
Hernia and Intestinal Obstruction	550-553, 560	4	0.32	13	0.35
Chronic Liver Disease	571	7	0.57	29	0.77
Nephritis	580-589	12	0.97	22	0.58
SELECTED EXTERNAL CAUSES					
Accidents (all)	E800-E949	6	0.48	97	2.57
Fracture	E887, E888	2	0.16	30	0.80
Drowning	E910.4, E910.8, E910.9	0	0.00	2	0.05
Suffocation/Strangulation	E911-E913	0	0.00	5	0.13
Concussion	E928.9	1	0.08	4	0.11
Suicide	E950-E959	0	0.00	20	0.53
Homicide	E960-E978	0	0.00	4	0.11
ALL OTHER CAUSES		233	18.82	475	12.61

REGION 2 Continued

NURSING HOME DEATHS BY CAUSE OF DEATH, GENDER AND AGE

		0-21	22-49	50-59	60-69	70-79	80-89	90+	TOTAL *
ALL CAUSES	male	0	8	8	34	99	183	87	419
	female	0	4	4	38	130	339	328	844
SELECTED NATURAL CAUSES									
Septicemia	male	0	0	1	0	2	2	1	6
	female	0	0	0	0	1	8	6	15
Malignant Neoplasms	male	0	0	4	7	25	26	9	71
	female	0	2	1	7	23	35	23	91
Diabetes Mellitus	male	0	0	0	3	4	8	2	17
	female	0	0	1	4	16	9	8	38
Malnutrition	male	0	0	0	0	0	0	1	1
	female	0	0	0	0	2	4	0	6
Dehydration	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	0	3	0	3
Diseases of Heart	male	0	1	0	7	29	49	35	121
	female	0	1	0	8	34	113	141	297
(Cardiac Arrest < 62 yrs)	male	0	0	0	0	-	-	-	0
	female	0	0	0	0	-	-	-	0
Hypertension	male	0	0	0	0	1	3	1	5
	female	0	0	0	0	4	5	1	10
Cerebrovascular Diseases	male	0	0	1	2	11	29	8	51
	female	0	0	0	5	12	42	45	104
Atherosclerosis	male	0	0	0	0	1	5	3	9
	female	0	0	0	1	1	5	12	20
Pneumonia & Influenza	male	0	0	0	1	3	11	5	20
	female	0	0	0	0	3	12	25	40
Chronic Obstructive Pulmonary Disease	male	0	0	0	4	4	13	5	26
	female	0	0	1	5	9	15	6	36
Ulcer (Stomach & Duodenum)	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	0	3	0	3
Hernia and Intestinal Obstruction	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	0	2	2	4
Chronic Liver Disease	male	0	0	1	0	1	1	0	3
	female	0	0	0	2	2	1	0	5
Nephritis	male	0	0	0	0	1	2	2	5
	female	0	0	0	0	2	0	5	7
SELECTED EXTERNAL CAUSES									
Accidents (all)	male	0	0	0	0	1	3	0	4
	female	0	1	0	0	0	2	0	3
Fracture	male	0	0	0	0	0	0	1	1
	female	0	0	0	0	0	0	1	1
Drowning	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	0	0	0	0
Suffocation/Strangulation	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	0	0	0	0
Concussion	male	0	0	0	0	0	0	1	1
	female	0	0	0	0	0	0	0	0
Suicide	male	0	1	0	0	0	0	0	1
	female	0	0	0	0	0	0	0	0
Homicide	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	0	0	0	0
ALL OTHER CAUSES									
	male	0	6	1	10	16	31	15	79
	female	0	0	1	6	21	80	54	162

*Total includes individuals with unknown ages.

REGION 3



DEMOGRAPHICS¹

Licensed Facilities **411**
 Licensed Beds **31,367**
 # Of Deaths **5,706**
 Mean Age at Death **83.2**

¹ Includes data from licensed nursing facilities and facilities for the mentally retarded.

TIME OF DEATH BY PLACE OF DEATH

	TOTAL	7a-2:59p	3p-10:59p	11P-5:59a	UKN
Nursing Home	4,523	1,560	1,444	1,475	44
Inpatient	662	240	218	185	19
ER/Outpatient	328	126	113	75	14
DOA-Hospital	105	25	33	47	0
Other/unk	88	26	29	32	1
TOTAL	5,706	1,977	1,837	1,814	78

AGE AT DEATH BY MONTH OF DEATH

AGE	TOTAL	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0-21	4	1	0	0	1	0	0	1	0	0	1	0	0
22-49	76	7	8	11	3	7	5	4	10	8	4	3	6
50-59	131	8	11	13	8	8	8	13	19	17	7	9	10
60-69	286	12	20	29	26	31	24	22	32	18	20	31	21
70-79	1,161	89	89	112	90	95	98	90	90	92	121	95	100
80-89	2,418	172	228	194	191	224	198	198	205	195	197	221	195
90+	1,625	122	143	158	110	160	130	143	130	110	151	134	134
TOTAL*	5,706	411	500	517	430	525	464	472	487	440	501	493	466

*Includes individuals with unknown causes

CAUSES OF DEATH AMONG INDIVIDUALS 60 YEARS OF AGE AND OLDER, FOR RESIDENTS AND NON-RESIDENTS OF NURSING FACILITIES AND RELATED INSTITUTIONS (NF&RI)

CAUSE	1CD-9 CODE	NF&RI RESIDENTS NUMBER	NF&RI RESIDENTS PERCENT	NF&RI NON-RESIDENTS NUMBER	NF&RI NON-RESIDENTS PERCENT
ALL CAUSES		5,490	100.00	18,979	100.00
SELECTED NATURAL CAUSES					
Septicemia	038	35	0.64	201	1.06
Malignant Neoplasms	140-208	745	13.57	4,848	25.54
Diabetes Mellitus	250	168	3.06	575	3.03
Malnutrition	263	14	0.26	20	0.11
Dehydration	276.5	31	0.56	27	0.14
Diseases of Heart	390-398, 402, 404-429	1,755	31.97	6,423	33.84
Hypertension	401, 403	59	1.07	134	0.71
Cerebrovascular Diseases	430-438	744	13.55	1,343	7.08
Atherosclerosis	440	61	1.11	99	0.52
Pneumonia & Influenza	480-487	216	3.93	636	3.35
Chronic Obstructive Pulmonary Disease	490-496	298	5.43	1,188	6.26
Ulcer (Stomach & Duodenum)	531-533	11	0.20	52	0.27
Hernia and Intestinal Obstruction	550-553, 560	16	0.29	74	0.39
Chronic Liver Disease	571	28	0.51	135	0.71
Nephritis	580-589	42	0.77	124	0.65
SELECTED EXTERNAL CAUSES					
Accidents (all)	E800-E949	44	0.80	439	2.31
Fracture	E887, E888	25	0.46	117	0.62
Drowning	E910.4, E910.8, E910.9	0	0.00	8	0.04
Suffocation/Strangulation	E911-E913	12	0.22	25	0.13
Concussion	E928.9	1	0.02	12	0.06
Suicide	E950-E959	0	0.00	90	0.47
Homicide	E960-E978	3	0.05	24	0.13
ALL OTHER CAUSES		1,220	22.28	2,547	13.42

REGION 3 Continued **NURSING HOME DEATHS BY CAUSE OF DEATH, GENDER AND AGE**

		0-21	22-49	50-59	60-69	70-79	80-89	90+	TOTAL *
ALL CAUSES	male	3	53	79	150	491	765	323	1864
	female	1	23	52	136	670	1653	1302	3842
SELECTED NATURAL CAUSES									
Septicemia	male	0	1	0	2	1	8	2	14
	female	0	0	0	0	5	11	6	22
Malignant Neoplasms	male	0	12	31	47	130	107	35	362
	female	0	9	15	36	146	175	69	451
Diabetes Mellitus	male	0	0	4	9	19	24	7	63
	female	0	1	5	7	26	55	21	115
Malnutrition	male	0	0	1	0	1	2	0	4
	female	0	0	0	0	1	5	5	11
Dehydration	male	0	0	0	0	3	5	2	10
	female	0	0	0	0	2	7	12	21
Diseases of Heart	male	0	6	9	34	116	231	121	517
	female	0	1	6	25	153	551	524	1261
(Cardiac Arrest < 62 yrs)	male	0	0	0	0	-	-	-	0
	female	0	0	1	0	-	-	-	1
Hypertension	male	0	0	3	0	2	7	6	18
	female	0	0	0	1	5	25	13	44
Cerebrovascular Diseases	male	0	2	8	11	47	94	38	200
	female	0	1	8	9	93	248	204	564
Atherosclerosis	male	0	0	0	0	2	8	5	15
	female	0	0	0	1	2	23	20	46
Pneumonia & Influenza	male	0	0	0	5	17	31	20	73
	female	0	0	1	1	21	68	53	144
Chronic Obstructive Pulmonary Disease	male	0	4	6	10	42	58	12	132
	female	0	1	3	21	45	78	32	180
Ulcer (Stomach & Duodenum)	male	0	0	0	1	1	1	1	4
	female	0	0	0	0	2	3	2	7
Hernia and Intestinal Obstruction	male	0	0	0	0	1	2	0	3
	female	0	0	0	0	2	6	5	13
Chronic Liver Disease	male	0	5	5	7	8	2	0	27
	female	0	0	3	3	5	2	1	14
Nephritis	male	0	1	0	3	3	6	4	17
	female	0	0	1	2	4	8	12	27
SELECTED EXTERNAL CAUSES									
Accidents (all)	male	2	5	2	2	4	8	6	29
	female	0	0	1	1	7	9	7	25
Fracture	male	0	0	0	0	2	4	4	10
	female	0	0	0	0	5	5	5	15
Drowning	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	0	0	0	0
Suffocation/Strangulation	male	0	2	0	2	0	4	0	8
	female	0	0	0	0	1	3	2	6
Concussion	male	0	1	1	0	1	0	0	3
	female	0	0	1	0	0	0	0	1
Suicide	male	0	0	0	0	0	0	0	0
	female	0	1	0	0	0	0	0	1
Homicide	male	0	0	0	1	0	1	0	2
	female	0	0	0	0	0	1	0	1
ALL OTHER CAUSES	male	1	17	10	18	94	170	64	374
	female	1	10	9	29	151	378	316	895

*Total includes individuals with unknown ages.



REGION 4

DEMOGRAPHICS¹

Licensed Facilities **187**
 Licensed Beds **14,267**
 # Of Deaths **3,309**
 Mean Age at Death **83.6**

¹ Includes data from licensed nursing facilities and facilities for the mentally retarded.

TIME OF DEATH BY PLACE OF DEATH

	TOTAL	7a-2:59p	3p-10:59p	11P-5:59a	UKN
Nursing Home	2,838	947	902	628	61
Inpatient	311	97	86	97	31
ER/Outpatient	137	55	30	37	15
DOA-Hospital	6	3	2	1	0
Other/unk	17	6	6	5	0
TOTAL	3,309	1,108	1,026	1,068	107

AGE AT DEATH BY MONTH OF DEATH

AGE	TOTAL	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0-21	2	0	1	0	0	0	1	0	0	0	0	0	0
22-49	37	5	3	5	5	3	1	7	3	0	2	1	2
50-59	66	13	1	6	8	6	8	5	3	2	1	5	8
60-69	177	35	14	17	18	20	10	15	8	13	9	12	6
70-79	652	113	47	76	58	61	65	54	49	30	30	40	29
80-89	1,383	231	142	146	140	141	107	112	86	62	70	81	65
90+	986	165	110	98	83	87	88	79	68	42	49	64	53
TOTAL*	3,309	565	319	349	312	318	280	272	218	149	161	203	163

*Includes individuals with unknown causes

CAUSES OF DEATH AMONG INDIVIDUALS 60 YEARS OF AGE AND OLDER, FOR RESIDENTS AND NON-RESIDENTS OF NURSING FACILITIES AND RELATED INSTITUTIONS (NF&RI)

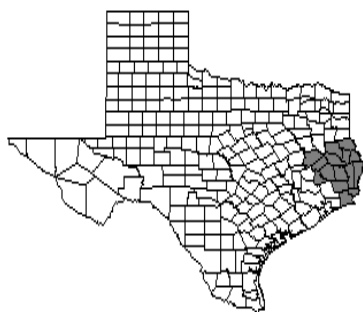
CAUSE	1CD-9 CODE	NF&RI RESIDENTS NUMBER	NF&RI RESIDENTS PERCENT	NF&RI NON-RESIDENTS NUMBER	NF&RI NON-RESIDENTS PERCENT
ALL CAUSES		3,198	100.00	6,881	100.00
SELECTED NATURAL CAUSES					
Septicemia	038	25	0.78	91	1.32
Malignant Neoplasms	140-208	502	15.70	1,658	24.10
Diabetes Mellitus	250	121	3.78	197	2.86
Malnutrition	263	11	0.34	12	0.17
Dehydration	276.5	18	0.56	14	0.20
Diseases of Heart	390-398, 402, 404-429	1,053	32.93	2,282	33.16
Hypertension	401, 403	31	0.97	59	0.86
Cerebrovascular Diseases	430-438	388	12.13	505	7.34
Atherosclerosis	440	52	1.63	47	0.68
Pneumonia & Influenza	480-487	140	4.38	284	4.13
Chronic Obstructive Pulmonary Disease	490-496	175	5.47	473	6.87
Ulcer (Stomach & Duodenum)	531-533	7	0.22	10	0.15
Hernia and Intestinal Obstruction	550-553, 560	6	0.19	25	0.36
Chronic Liver Disease	571	13	0.41	47	0.68
Nephritis	580-589	37	1.16	55	0.80
SELECTED EXTERNAL CAUSES					
Accidents (all)	E800-E949	22	0.69	178	2.59
Fracture	E887, E888	9	0.28	44	0.64
Drowning	E910.4, E910.8, E910.9	0	0.00	1	0.01
Suffocation/Strangulation	E911-E913	4	0.13	10	0.15
Concussion	E928.9	1	0.03	8	0.12
Suicide	E950-E959	0	0.00	44	0.64
Homicide	E960-E978	0	0.00	6	0.09
ALL OTHER CAUSES		597	18.67	894	12.99

REGION 4 Continued

NURSING HOME DEATHS BY CAUSE OF DEATH, GENDER AND AGE

		0-21	22-49	50-59	60-69	70-79	80-89	90+	TOTAL *
ALL CAUSES	male	1	24	43	105	301	465	220	1161
	female	1	13	23	72	351	918	766	2148
SELECTED NATURAL CAUSES									
Septicemia	male	0	0	0	0	3	3	0	6
	female	0	0	0	2	3	7	7	19
Malignant Neoplasms	male	0	6	22	43	82	100	36	291
	female	0	7	4	16	67	104	54	253
Diabetes Mellitus	male	0	2	1	4	9	20	4	40
	female	0	0	0	5	17	35	27	85
Malnutrition	male	0	0	0	0	1	2	1	4
	female	0	0	0	0	1	3	3	7
Dehydration	male	0	0	0	1	1	3	2	7
	female	0	0	0	0	0	4	7	11
Diseases of Heart	male	0	3	6	20	72	138	70	309
	female	0	2	5	24	85	309	335	760
(Cardiac Arrest < 62 yrs)	male	0	0	0	0	-	-	-	0
	female	0	0	0	0	-	-	-	0
Hypertension	male	0	0	1	2	2	1	1	7
	female	0	1	0	0	5	11	9	26
Cerebrovascular Diseases	male	0	3	2	6	36	50	30	127
	female	0	1	3	5	45	127	89	271
Atherosclerosis	male	0	0	0	2	3	5	1	11
	female	0	0	1	0	3	20	18	42
Pneumonia & Influenza	male	0	0	0	4	16	20	9	49
	female	0	0	1	4	15	34	38	92
Chronic Obstructive Pulmonary Disease	male	0	0	1	8	26	35	13	83
	female	0	0	2	6	28	43	16	95
Ulcer (Stomach & Duodenum)	male	0	0	1	0	1	1	1	4
	female	0	0	0	0	0	3	1	4
Hernia and Intestinal Obstruction	male	0	0	1	0	2	1	0	4
	female	0	0	0	0	0	2	0	3
Chronic Liver Disease	male	0	1	3	1	1	2	0	8
	female	0	0	0	1	4	3	1	9
Nephritis	male	0	0	0	0	2	3	6	11
	female	0	0	1	1	4	15	6	27
SELECTED EXTERNAL CAUSES									
Accidents (all)	male	0	0	1	0	3	2	1	7
	female	0	0	0	0	4	7	5	16
Fracture	male	0	0	0	0	2	0	0	2
	female	0	0	0	0	0	4	3	7
Drowning	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	0	0	0	0
Suffocation/Strangulation	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	2	1	1	4
Concussion	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	0	0	1	1
Suicide	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	0	0	0	0
Homicide	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	0	0	0	0
ALL OTHER CAUSES	male	1	9	4	14	41	79	45	193
	female	1	2	6	8	70	191	149	428

*Total includes individuals with unknown ages.



REGION 5

DEMOGRAPHICS¹

Licensed Facilities	111
Licensed Beds	7,702
# Of Deaths	1,196
Mean Age at Death	82.3

¹ Includes data from licensed nursing facilities and facilities for the mentally retarded.

TIME OF DEATH BY PLACE OF DEATH

	TOTAL	7a-2:59p	3p-10:59p	11P-5:59a	UKN
Nursing Home	907	326	281	288	12
Inpatient	173	68	43	50	12
ER/Outpatient	88	36	24	23	5
DOA-Hospital	7	3	1	3	0
Other/unk	21	5	6	10	0
TOTAL	1,196	438	355	374	29

AGE AT DEATH BY MONTH OF DEATH

AGE	TOTAL	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0-21	4	1	0	1	0	0	0	0	0	0	0	0	2
22-49	16	0	0	1	0	2	3	2	2	1	2	2	1
50-59	31	2	1	1	4	3	2	3	1	5	2	2	5
60-69	74	3	2	8	11	5	6	9	5	5	7	9	4
70-79	235	22	23	15	18	23	15	24	28	17	17	18	15
80-89	523	38	42	47	47	40	49	52	60	41	47	32	28
90+	310	18	34	22	26	38	24	29	29	19	20	26	25
TOTAL*	1196	84	102	95	107	111	99	119	126	89	95	89	80

*Includes individuals with unknown causes

CAUSES OF DEATH AMONG INDIVIDUALS 60 YEARS OF AGE AND OLDER, FOR RESIDENTS AND NON-RESIDENTS OF NURSING FACILITIES AND RELATED INSTITUTIONS (NF&RI)

CAUSE	1CD-9 CODE	NF&RI RESIDENTS NUMBER	NF&RI RESIDENTS PERCENT	NF&RI NON-RESIDENTS NUMBER	NF&RI NON-RESIDENTS PERCENT
ALL CAUSES		1,142	100.00	5,041	100.00
SELECTED NATURAL CAUSES					
Septicemia	038	8	0.70	64	1.27
Malignant Neoplasms	140-208	189	16.55	1,346	26.70
Diabetes Mellitus	250	44	3.85	166	3.29
Malnutrition	263	4	0.35	6	0.12
Dehydration	276.5	5	0.44	5	0.10
Diseases of Heart	390-398, 402, 404-429	375	32.84	1,745	34.62
Hypertension	401, 403	9	0.79	36	0.71
Cerebrovascular Diseases	430-438	126	11.03	309	6.13
Atherosclerosis	440	14	1.23	20	0.40
Pneumonia & Influenza	480-487	58	5.08	188	3.73
Chronic Obstructive Pulmonary Disease	490-496	64	5.60	285	5.65
Ulcer (Stomach & Duodenum)	531-533	3	0.26	9	0.18
Hernia and Intestinal Obstruction	550-553, 560	3	0.26	22	0.44
Chronic Liver Disease	571	5	0.44	42	0.83
Nephritis	580-589	11	0.96	44	0.87
SELECTED EXTERNAL CAUSES					
Accidents (all)	E800-E949	11	0.96	120	2.38
Fracture	E887, E888	3	0.26	25	0.50
Drowning	E910.4, E910.8, E910.9	0	0.00	1	0.02
Suffocation/Strangulation	E911-E913	1	0.09	6	0.12
Concussion	E928.9	3	0.26	1	0.02
Suicide	E950-E959	0	0.00	23	0.46
Homicide	E960-E978	0	0.00	5	0.10
ALL OTHER CAUSES		213	18.65	606	12.02

REGION 5 Continued **NURSING HOME DEATHS BY CAUSE OF DEATH, GENDER AND AGE**

		0-21	22-49	50-59	60-69	70-79	80-89	90+	TOTAL *
ALL CAUSES	male	3	10	15	41	101	184	64	418
	female	1	6	16	33	134	339	246	778
SELECTED NATURAL CAUSES									
Septicemia	male	0	1	0	0	1	2	1	5
	female	0	0	0	0	0	2	2	4
Malignant Neoplasms	male	1	3	6	17	27	37	7	98
	female	0	1	10	14	34	39	14	112
Diabetes Mellitus	male	0	1	0	3	8	4	1	17
	female	0	0	0	4	9	9	6	28
Malnutrition	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	2	1	1	4
Dehydration	male	0	0	0	0	0	2	1	3
	female	0	0	0	0	0	2	0	2
Diseases of Heart	male	0	1	3	4	24	48	23	103
	female	0	1	3	4	37	127	108	282
(Cardiac Arrest < 62 yrs)	male	0	0	1	0	-	-	-	1
	female	0	0	1	0	-	-	-	1
Hypertension	male	0	0	0	0	0	1	0	1
	female	0	0	0	0	2	4	2	8
Cerebrovascular Diseases	male	0	0	2	4	9	20	9	44
	female	0	0	1	3	11	39	31	86
Atherosclerosis	male	0	0	0	0	0	1	1	2
	female	0	0	0	0	1	2	9	12
Pneumonia & Influenza	male	0	0	1	2	2	15	2	22
	female	0	1	0	1	3	19	14	38
Chronic Obstructive Pulmonary Disease	male	0	0	0	4	8	15	4	31
	female	0	0	0	1	6	20	6	33
Ulcer (Stomach & Duodenum)	male	0	0	0	0	0	2	0	2
	female	0	0	0	0	0	0	1	1
Hernia and Intestinal Obstruction	male	0	0	0	0	1	0	0	1
	female	0	0	0	0	0	1	1	2
Chronic Liver Disease	male	0	1	1	1	0	1	0	4
	female	0	0	0	1	2	0	0	3
Nephritis	male	0	0	0	0	0	1	1	2
	female	0	0	0	0	1	3	5	9
SELECTED EXTERNAL CAUSES									
Accidents (all)	male	1	0	0	0	0	7	0	8
	female	0	1	0	0	1	0	3	5
Fracture	male	0	0	0	0	0	3	0	3
	female	0	0	0	0	0	0	0	0
Drowning	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	0	0	0	0
Suffocation/Strangulation	male	1	0	0	0	0	0	0	1
	female	0	0	0	0	1	0	0	1
Concussion	male	0	0	0	0	0	2	0	2
	female	0	0	0	0	0	0	1	1
Suicide	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	0	0	0	0
Homicide	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	0	0	0	0
ALL OTHER CAUSES	male	1	3	2	6	21	28	14	75
	female	1	2	2	5	25	71	43	149

*Total includes individuals with unknown ages.



REGION 6

DEMOGRAPHICS¹

Licensed Facilities **237**
 Licensed Beds **17,094**
 # Of Deaths **4,172**
 Mean Age at Death **82.6**

¹ Includes data from licensed nursing facilities and facilities for the mentally retarded.

TIME OF DEATH BY PLACE OF DEATH

	TOTAL	7a-2:59p	3p-10:59p	11P-5:59a	UKN
Nursing Home	3,583	1,266	1,141	1,138	38
Inpatient	349	125	132	91	1
ER/Outpatient	152	61	42	42	7
DOA-Hospital	4	2	1	1	0
Other/unlk	84	24	24	35	1
TOTAL	4,172	1,478	1,340	1,307	47

AGE AT DEATH BY MONTH OF DEATH

AGE	TOTAL	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0-21	1	0	1	0	0	0	0	0	0	0	0	0	0
22-49	78	4	9	10	8	7	7	5	8	6	7	2	5
50-59	89	7	6	9	6	11	14	7	8	3	7	4	7
60-69	266	31	21	35	25	25	25	24	21	13	13	12	21
70-79	863	123	77	79	66	82	73	76	73	54	54	56	50
80-89	1738	284	144	161	143	148	153	151	115	104	105	102	128
90+	1134	190	103	124	91	95	98	77	76	62	82	49	87
TOTAL*	4172	641	361	418	339	368	370	340	302	242	268	225	298

*Includes individuals with unknown causes

CAUSES OF DEATH AMONG INDIVIDUALS 60 YEARS OF AGE AND OLDER, FOR RESIDENTS AND NON-RESIDENTS OF NURSING FACILITIES AND RELATED INSTITUTIONS (NF&RI)

CAUSE	1CD-9 CODE	NF&RI RESIDENTS NUMBER	NF&RI RESIDENTS PERCENT	NF&RI NON-RESIDENTS NUMBER	NF&RI NON-RESIDENTS PERCENT
ALL CAUSES		4,001	100.00	16,764	100.00
SELECTED NATURAL CAUSES					
Septicemia	038	25	0.62	262	1.56
Malignant Neoplasms	140-208	609	15.22	4,370	26.07
Diabetes Mellitus	250	115	2.87	612	3.65
Malnutrition	263	14	0.35	26	0.16
Dehydration	276.5	14	0.35	20	0.12
Diseases of Heart	390-398, 402, 404-429	1352	33.79	5,665	33.79
Hypertension	401, 403	49	1.22	151	0.90
Cerebrovascular Diseases	430-438	518	12.95	1,217	7.26
Atherosclerosis	440	86	2.15	106	0.63
Pneumonia & Influenza	480-487	168	4.20	510	3.04
Chronic Obstructive Pulmonary Disease	490-496	158	3.95	838	5.00
Ulcer (Stomach & Duodenum)	531-533	8	0.20	41	0.24
Hernia and Intestinal Obstruction	550-553, 560	9	0.22	66	0.39
Chronic Liver Disease	571	19	0.47	152	0.91
Nephritis	580-589	30	0.75	152	0.91
SELECTED EXTERNAL CAUSES					
Accidents (all)	E800-E949	36	0.90	337	2.01
Fracture	E887, E888	16	0.40	83	0.50
Drowning	E910.4, E910.8, E910.9	0	0.00	5	0.03
Suffocation/Strangulation	E911-E913	3	0.07	12	0.07
Concussion	E928.9	1	0.02	19	0.11
Suicide	E950-E959	1	0.02	75	0.45
Homicide	E960-E978	0	0.00	11	0.07
ALL OTHER CAUSES		790	19.75	2,153	12.84

REGION 6 Continued

NURSING HOME DEATHS BY CAUSE OF DEATH, GENDER AND AGE

		0-21	22-49	50-59	60-69	70-79	80-89	90+	TOTAL *
ALL CAUSES	male	1	42	45	144	358	538	221	1349
	female	0	36	44	122	505	1200	913	2823
SELECTED NATURAL CAUSES									
Septicemia	male	0	0	2	0	6	3	2	13
	female	0	0	0	0	3	7	4	14
Malignant Neoplasms	male	0	8	18	57	91	98	30	302
	female	0	10	18	46	102	127	58	361
Diabetes Mellitus	male	0	0	2	11	11	14	6	44
	female	0	1	4	4	26	29	14	78
Malnutrition	male	0	0	0	0	0	1	1	2
	female	0	0	0	0	4	2	6	12
Dehydration	male	0	0	0	0	1	0	0	1
	female	0	0	0	0	1	8	4	13
Diseases of Heart	male	0	6	6	33	96	152	82	375
	female	0	3	8	23	128	459	379	1000
(Cardiac Arrest < 62 yrs)	male	0	0	0	0	-	-	-	0
	female	0	0	0	0	-	-	-	0
Hypertension	male	0	1	0	1	3	4	3	12
	female	0	0	0	3	9	17	9	38
Cerebrovascular Diseases	male	0	2	6	10	38	69	19	144
	female	0	3	6	12	65	168	137	392
Atherosclerosis	male	0	0	0	0	9	15	6	30
	female	0	0	0	1	7	19	29	56
Pneumonia & Influenza	male	0	2	1	6	11	32	17	69
	female	0	1	0	1	11	48	42	104
Chronic Obstructive Pulmonary Disease	male	0	0	1	6	11	23	13	54
	female	0	0	0	6	41	44	14	105
Ulcer (Stomach & Duodenum)	male	0	0	0	0	0	1	1	2
	female	0	0	0	0	0	4	2	6
Hernia and Intestinal Obstruction	male	0	0	0	0	0	1	0	1
	female	0	1	0	0	1	3	4	9
Chronic Liver Disease	male	0	0	2	3	3	1	1	10
	female	0	1	0	2	4	4	1	12
Nephritis	male	0	0	0	0	3	6	5	14
	female	0	1	0	0	2	5	9	17
SELECTED EXTERNAL CAUSES									
Accidents (all)	male	0	4	2	1	3	5	1	16
	female	0	1	1	2	4	8	12	28
Fracture	male	0	0	0	0	1	1	1	3
	female	0	0	0	1	1	3	8	13
Drowning	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	0	0	0	0
Suffocation/Strangulation	male	0	0	1	0	0	1	0	2
	female	0	0	0	0	0	1	1	2
Concussion	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	0	1	0	1
Suicide	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	1	0	0	1
Homicide	male	0	1	0	0	0	0	0	1
	female	0	0	0	0	0	0	0	0
ALL OTHER CAUSES									
	male	1	18	5	16	72	113	34	259
	female	0	14	7	22	96	248	189	577

*Total includes individuals with unknown ages.



REGION 7

DEMOGRAPHICS¹

Licensed Facilities **263**
 Licensed Beds **18,673**
 # Of Deaths **3,074**
 Mean Age at Death **84.0**

¹ Includes data from licensed nursing facilities and facilities for the mentally retarded.

TIME OF DEATH BY PLACE OF DEATH

	TOTAL	7a-2:59p	3p-10:59p	11P-5:59a	UKN
Nursing Home	2,615	899	863	809	44
Inpatient	317	96	96	104	21
ER/Outpatient	123	47	38	30	8
DOA-Hospital	1	0	1	0	0
Other/unlk	18	8	5	5	0
TOTAL	3,074	1,050	1,003	948	73

AGE AT DEATH BY MONTH OF DEATH

AGE	TOTAL	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0-21	3	0	0	0	1	1	0	0	0	0	1	0	0
22-49	38	3	4	2	5	4	1	3	7	0	3	3	3
50-59	48	5	1	4	4	3	2	4	3	7	3	2	10
60-69	158	12	12	11	19	19	12	14	11	13	13	8	14
70-79	568	45	45	76	43	46	45	52	53	32	49	44	38
80-89	1,265	104	124	118	105	97	101	108	105	70	111	118	104
90+	991	80	76	108	80	83	66	81	94	74	83	82	84
TOTAL*	3,074	249	262	319	257	253	228	262	273	196	263	258	254

*Includes individuals with unknown causes

CAUSES OF DEATH AMONG INDIVIDUALS 60 YEARS OF AGE AND OLDER, FOR RESIDENTS AND NON-RESIDENTS OF NURSING FACILITIES AND RELATED INSTITUTIONS (NF&RI)

CAUSE	1CD-9 CODE	NF&RI RESIDENTS NUMBER	NF&RI RESIDENTS PERCENT	NF&RI NON-RESIDENTS NUMBER	NF&RI NON-RESIDENTS PERCENT
ALL CAUSES		2,982	100.00	8,301	100.00
SELECTED NATURAL CAUSES					
Septicemia	038	39	1.31	98	1.18
Malignant Neoplasms	140-208	432	14.49	2,148	25.88
Diabetes Mellitus	250	100	3.35	233	2.81
Malnutrition	263	15	0.50	15	0.18
Dehydration	276.5	9	0.30	16	0.19
Diseases of Heart	390-398, 402, 404-429	1,021	34.24	2,884	34.74
Hypertension	401, 403	34	1.14	62	0.75
Cerebrovascular Diseases	430-438	303	10.16	531	6.40
Atherosclerosis	440	45	1.51	37	0.45
Pneumonia & Influenza	480-487	158	5.30	299	3.60
Chronic Obstructive Pulmonary Disease	490-496	118	3.96	449	5.41
Ulcer (Stomach & Duodenum)	531-533	3	0.10	17	0.20
Hernia and Intestinal Obstruction	550-553, 560	8	0.27	27	0.33
Chronic Liver Disease	571	18	0.60	62	0.75
Nephritis	580-589	41	1.37	60	0.72
SELECTED EXTERNAL CAUSES					
Accidents (all)	E800-E949	38	1.27	209	2.52
Fracture	E887, E888	11	0.37	43	0.52
Drowning	E910.4, E910.8, E910.9	0	0.00	7	0.08
Suffocation/Strangulation	E911-E913	4	0.13	11	0.13
Concussion	E928.9	2	0.07	6	0.07
Suicide	E950-E959	0	0.00	55	0.66
Homicide	E960-E978	0	0.00	6	0.07
ALL OTHER CAUSES		600	20.12	1,093	13.16

REGION 7 Continued **NURSING HOME DEATHS BY CAUSE OF DEATH, GENDER AND AGE**

		0-21	22-49	50-59	60-69	70-79	80-89	90+	TOTAL *
ALL CAUSES	male	2	19	21	86	259	429	220	1,037
	female	1	19	27	72	309	836	771	2,037
SELECTED NATURAL CAUSES									
Septicemia	male	0	0	1	2	4	1	6	14
	female	0	0	0	0	3	13	10	26
Malignant Neoplasms	male	0	5	13	32	69	62	17	198
	female	1	6	5	26	66	111	49	264
Diabetes Mellitus	male	0	1	0	6	16	13	7	43
	female	0	0	2	3	18	23	14	60
Malnutrition	male	0	0	0	0	0	2	0	2
	female	0	0	0	0	1	4	8	13
Dehydration	male	0	0	0	0	0	1	0	1
	female	0	0	0	0	1	2	5	8
Diseases of Heart	male	0	2	3	17	64	136	88	311
	female	0	2	2	17	76	296	327	721
(Cardiac Arrest < 62 yrs)	male	0	0	0	0	-	-	-	0
	female	0	0	0	0	-	-	-	0
Hypertension	male	0	0	0	1	2	3	0	6
	female	0	0	0	0	4	15	9	28
Cerebrovascular Diseases	male	0	1	3	3	21	49	20	97
	female	0	0	0	7	28	90	85	211
Atherosclerosis	male	0	0	0	0	3	6	3	12
	female	0	0	0	0	3	14	16	33
Pneumonia & Influenza	male	0	0	1	4	12	27	26	70
	female	0	0	2	0	10	31	48	91
Chronic Obstructive Pulmonary Disease	male	0	0	0	3	13	23	8	47
	female	0	0	3	5	22	33	11	74
Ulcer (Stomach & Duodenum)	male	0	0	0	0	1	0	0	1
	female	0	0	0	0	0	1	1	2
Hernia and Intestinal Obstruction	male	0	0	0	0	1	1	1	3
	female	0	0	0	0	0	3	2	5
Chronic Liver Disease	male	0	1	0	5	0	0	0	6
	female	0	1	2	2	9	1	1	16
Nephritis	male	0	0	0	2	1	6	3	12
	female	0	0	0	1	5	9	14	29
SELECTED EXTERNAL CAUSES									
Accidents (all)	male	0	1	0	0	5	6	0	12
	female	0	3	1	1	3	12	11	31
Fracture	male	0	0	0	0	0	1	0	1
	female	0	0	0	0	0	7	3	10
Drowning	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	0	0	0	0
Suffocation/Strangulation	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	1	1	2	4
Concussion	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	1	1	0	2
Suicide	male	1	0	0	0	0	0	0	1
	female	0	1	0	0	0	0	0	1
Homicide	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	0	0	0	0
ALL OTHER CAUSES	male	2	8	0	11	47	93	41	202
	female	0	7	10	10	60	178	160	425

*Total includes individuals with unknown ages.



REGION 8

DEMOGRAPHICS¹

Licensed Facilities **231**
 Licensed Beds **15,475**
 # Of Deaths **2,915**
 Mean Age at Death **82.9**

¹ Includes data from licensed nursing facilities and facilities for the mentally retarded.

TIME OF DEATH BY PLACE OF DEATH

	TOTAL	7a-2:59p	3p-10:59p	11P-5:59a	UKN
Nursing Home	2,447	766	802	746	133
Inpatient	251	85	72	65	29
ER/Outpatient	120	40	29	32	19
DOA-Hospital	1	0	0	1	0
Other/unk	96	34	27	31	4
TOTAL	2,915	925	930	875	185

AGE AT DEATH BY MONTH OF DEATH

AGE	TOTAL	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0-21	1	0	0	1	0	0	0	0	0	0	0	0	0
22-49	51	1	6	5	1	5	7	2	7	6	0	3	8
50-59	60	8	4	3	5	9	3	10	2	4	3	4	5
60-69	154	11	16	9	13	12	11	18	12	10	14	15	13
70-79	608	53	54	52	48	63	43	54	38	48	49	47	59
80-89	1238	91	108	139	108	108	96	121	74	80	105	100	108
90+	802	75	63	73	62	64	62	53	69	71	65	71	74
TOTAL *	2915	239	251	282	237	261	222	258	202	219	237	240	267

*Includes individuals with unknown causes

CAUSES OF DEATH AMONG INDIVIDUALS 60 YEARS OF AGE AND OLDER, FOR RESIDENTS AND NON-RESIDENTS OF NURSING FACILITIES AND RELATED INSTITUTIONS (NF&RI)

CAUSE	1CD-9 CODE	NF&RI RESIDENTS NUMBER	NF&RI RESIDENTS PERCENT	NF&RI NON-RESIDENTS NUMBER	NF&RI NON-RESIDENTS PERCENT
ALL CAUSES		2,802	100.00	9,483	100.00
SELECTED NATURAL CAUSES					
Septicemia	038	19	0.68	117	1.23
Malignant Neoplasms	140-208	450	16.06	2,275	23.99
Diabetes Mellitus	250	148	5.28	408	4.30
Malnutrition	263	4	0.14	16	0.17
Dehydration	276.5	10	0.36	9	0.09
Diseases of Heart	390-398, 402, 404-429	971	34.65	3,281	34.60
Hypertension	401, 403	24	0.86	71	0.75
Cerebrovascular Diseases	430-438	275	9.81	645	6.80
Atherosclerosis	440	37	1.32	50	0.53
Pneumonia & Influenza	480-487	126	4.50	311	3.28
Chronic Obstructive Pulmonary Disease	490-496	133	4.75	465	4.90
Ulcer (Stomach & Duodenum)	531-533	8	0.29	21	0.22
Hernia and Intestinal Obstruction	550-553, 560	4	0.14	30	0.32
Chronic Liver Disease	571	18	0.64	110	1.16
Nephritis	580-589	18	0.64	86	0.91
SELECTED EXTERNAL CAUSES					
Accidents (all)	E800-E949	37	1.32	251	2.65
Fracture	E887, E888	24	0.86	73	0.77
Drowning	E910.4, E910.8, E910.9	0	0.00	4	0.04
Suffocation/Strangulation	E911-E913	6	0.21	15	0.16
Concussion	E928.9	0	0.00	8	0.08
Suicide	E950-E959	0	0.00	56	0.59
Homicide	E960-E978	0	0.00	6	0.06
ALL OTHER CAUSES		520	18.56	1,275	13.44

REGION 8 Continued

NURSING HOME DEATHS BY CAUSE OF DEATH, GENDER AND AGE

		0-21	22-49	50-59	60-69	70-79	80-89	90+	TOTAL *
ALL CAUSES	male	1	34	33	76	297	456	170	1068
	female	0	17	27	78	311	782	632	1847
SELECTED NATURAL CAUSES									
Septicemia	male	0	0	0	0	1	1	1	3
	female	0	0	0	0	0	6	10	16
Malignant Neoplasms	male	0	13	9	22	78	78	21	221
	female	0	7	11	37	64	107	43	269
Diabetes Mellitus	male	0	1	3	11	20	18	5	58
	female	0	0	4	6	30	45	13	98
Malnutrition	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	1	1	2	4
Dehydration	male	0	0	0	1	1	0	0	2
	female	0	0	0	0	2	2	4	8
Diseases of Heart	male	0	1	5	13	101	152	57	329
	female	0	3	8	14	85	286	263	659
(Cardiac Arrest < 62 yrs)	male	0	0	0	0	-	-	-	0
	female	0	0	1	0	-	-	-	1
Hypertension	male	0	0	0	1	3	3	2	9
	female	0	0	0	0	2	7	6	15
Cerebrovascular Diseases	male	0	1	5	8	18	34	19	86
	female	0	0	2	2	29	87	78	198
Atherosclerosis	male	0	0	0	0	2	7	2	11
	female	0	0	0	0	6	11	9	26
Pneumonia & Influenza	male	0	0	1	1	4	24	15	45
	female	0	1	0	1	8	31	42	83
Chronic Obstructive Pulmonary Disease	male	0	0	2	4	17	18	12	53
	female	0	1	0	6	25	35	16	83
Ulcer (Stomach & Duodenum)	male	0	1	0	1	0	2	0	4
	female	0	0	0	0	2	2	1	5
Hernia and Intestinal Obstruction	male	0	0	0	0	0	1	0	1
	female	0	0	0	0	2	0	1	3
Chronic Liver Disease	male	0	4	4	1	3	1	0	13
	female	0	0	0	3	6	3	1	13
Nephritis	male	0	0	0	0	1	5	2	8
	female	0	0	0	0	1	5	4	10
SELECTED EXTERNAL CAUSES									
Accidents (all)	male	1	3	1	1	3	11	4	24
	female	0	1	0	1	2	11	4	19
Fracture	male	0	0	0	0	1	7	1	9
	female	0	0	0	1	0	10	4	15
Drowning	male	0	0	0	0	0	0	0	0
	female	0	1	0	0	0	0	0	1
Suffocation/Strangulation	male	0	0	0	0	2	1	1	4
	female	0	0	0	0	1	1	0	2
Concussion	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	0	0	0	0
Suicide	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	0	0	0	0
Homicide	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	0	0	0	0
ALL OTHER CAUSES	male	0	10	3	12	45	101	30	201
	female	0	4	2	8	46	143	135	338

*Total includes individuals with unknown ages.



REGION 9

DEMOGRAPHICS¹

Licensed Facilities 77
 Licensed Beds 4,307
 # Of Deaths 775
 Mean Age at Death 83.7

¹ Includes data from licensed nursing facilities and facilities for the mentally retarded.

TIME OF DEATH BY PLACE OF DEATH

	TOTAL	7a-2:59p	3p-10:59p	11P-5:59a	UKN
Nursing Home	636	207	209	197	23
Inpatient	95	30	25	37	3
ER/Outpatient	31	10	10	11	0
DOA-Hospital	3	2	0	1	0
Other/unk	10	5	3	2	0
TOTAL	775	254	247	248	26

AGE AT DEATH BY MONTH OF DEATH

AGE	TOTAL	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0-21	0	0	0	0	0	0	0	0	0	0	0	0	0
22-49	5	1	0	0	0	1	1	1	0	0	0	0	1
50-59	13	1	2	1	1	1	1	0	0	2	1	0	3
60-69	49	0	3	5	3	2	3	8	4	5	6	7	3
70-79	145	12	18	19	14	9	13	8	12	7	10	15	8
80-89	331	24	31	38	30	26	27	19	21	20	28	32	35
90+	232	18	19	22	15	25	17	17	20	23	17	13	26
TOTAL*	775	56	73	85	63	64	62	53	57	57	62	67	76

*Includes individuals with unknown causes

CAUSES OF DEATH AMONG INDIVIDUALS 60 YEARS OF AGE AND OLDER, FOR RESIDENTS AND NON-RESIDENTS OF NURSING FACILITIES AND RELATED INSTITUTIONS (NF&RI)

CAUSE	1CD-9 CODE	NF&RI RESIDENTS NUMBER	NF&RI RESIDENTS PERCENT	NF&RI NON-RESIDENTS NUMBER	NF&RI NON-RESIDENTS PERCENT
ALL CAUSES		757	100.00	2,908	100.00
SELECTED NATURAL CAUSES					
Septicemia	038	7	0.92	21	0.72
Malignant Neoplasms	140-208	102	13.47	752	25.86
Diabetes Mellitus	250	27	3.57	99	3.40
Malnutrition	263	2	0.26	4	0.14
Dehydration	276.5	1	0.13	5	0.17
Diseases of Heart	390-398, 402, 404-429	255	33.69	922	31.71
Hypertension	401, 403	1	0.13	27	0.93
Cerebrovascular Diseases	430-438	83	10.96	172	5.91
Atherosclerosis	440	12	1.59	13	0.45
Pneumonia & Influenza	480-487	58	7.66	151	5.19
Chronic Obstructive Pulmonary Disease	490-496	53	7.00	222	7.63
Ulcer (Stomach & Duodenum)	531-533	0	0.00	9	0.31
Hernia and Intestinal Obstruction	550-553, 560	2	0.26	11	0.38
Chronic Liver Disease	571	3	0.40	35	1.20
Nephritis	580-589	10	1.32	22	0.76
SELECTED EXTERNAL CAUSES					
Accidents (all)	E800-E949	10	1.32	58	1.99
Fracture	E887, E888	7	0.92	9	0.31
Drowning	E910.4, E910.8, E910.9	0	0.00	0	0.00
Suffocation/Strangulation	E911-E913	1	0.13	3	0.10
Concussion	E928.9	0	0.00	4	0.14
Suicide	E950-E959	0	0.00	21	0.72
Homicide	E960-E978	0	0.00	2	0.07
ALL OTHER CAUSES		131	17.31	362	12.45

REGION 9 Continued **NURSING HOME DEATHS BY CAUSE OF DEATH, GENDER AND AGE**

		0-21	22-49	50-59	60-69	70-79	80-89	90+	TOTAL *
ALL CAUSES	male	0	1	9	24	68	115	66	283
	female	0	4	4	25	77	216	166	492
SELECTED NATURAL CAUSES									
Septicemia	male	0	0	0	0	0	1	0	1
	female	0	0	0	0	2	0	4	6
Malignant Neoplasms	male	0	0	2	7	15	20	6	50
	female	0	1	3	7	14	28	5	58
Diabetes Mellitus	male	0	0	0	0	4	2	2	8
	female	0	0	0	2	2	10	5	19
Malnutrition	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	1	0	1	2
Dehydration	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	0	1	0	1
Diseases of Heart	male	0	0	1	6	14	42	22	85
	female	0	1	0	8	24	69	70	172
(Cardiac Arrest < 62 yrs)	male	0	0	0	0	-	-	-	0
	female	0	0	0	0	-	-	-	0
Hypertension	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	0	1	0	1
Cerebrovascular Diseases	male	0	1	1	2	6	10	9	29
	female	0	0	0	0	10	22	24	56
Atherosclerosis	male	0	0	0	0	2	0	3	5
	female	0	0	0	0	0	3	4	7
Pneumonia & Influenza	male	0	0	0	2	6	9	4	21
	female	0	0	0	1	7	14	15	37
Chronic Obstructive Pulmonary Disease	male	0	0	0	1	8	12	4	25
	female	0	0	0	2	9	10	7	28
Ulcer (Stomach & Duodenum)	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	0	0	0	0
Hernia and Intestinal Obstruction	male	0	0	0	0	0	1	0	1
	female	0	0	0	0	0	1	0	1
Chronic Liver Disease	male	0	0	1	2	0	0	0	3
	female	0	0	0	0	0	1	0	1
Nephritis	male	0	0	0	0	1	0	2	3
	female	0	0	0	0	0	5	2	7
SELECTED EXTERNAL CAUSES									
Accidents (all)	male	0	0	0	0	1	0	3	4
	female	0	0	0	1	0	2	3	6
Fracture	male	0	0	0	0	1	0	3	4
	female	0	0	0	0	0	1	2	3
Drowning	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	0	0	0	0
Suffocation/Strangulation	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	0	0	1	1
Concussion	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	0	0	0	0
Suicide	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	0	0	0	0
Homicide	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	0	0	0	0
ALL OTHER CAUSES	male	0	0	4	4	11	18	11	48
	female	0	2	1	4	8	49	26	90

*Total includes individuals with unknown ages.



REGION 10

DEMOGRAPHICS¹

Licensed Facilities **25**
 Licensed Beds **1,456**
 # Of Deaths **296**
 Mean Age at Death **84.0**

¹ Includes data from licensed nursing facilities and facilities for the mentally retarded.

TIME OF DEATH BY PLACE OF DEATH

	TOTAL	7a-2:59p	3p-10:59p	11P-5:59a	UKN
Nursing Home	218	78	57	54	29
Inpatient	46	10	10	12	14
ER/Outpatient	21	9	1	5	6
DOA-Hospital	0	0	0	0	0
Other/unk	11	3	2	4	2
TOTAL	296	100	70	75	51

AGE AT DEATH BY MONTH OF DEATH

AGE	TOTAL	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0-21	0	0	0	0	0	0	0	0	0	0	0	0	0
22-49	0	0	0	0	0	0	0	0	0	0	0	0	0
50-59	7	1	1	1	0	1	1	0	0	1	0	0	1
60-69	14	0	2	3	2	2	2	0	0	1	2	0	0
70-79	58	4	4	7	9	4	6	2	2	4	2	8	6
80-89	122	9	16	12	14	8	11	8	13	11	5	9	6
90+	94	11	6	11	6	4	8	7	6	7	9	11	8
TOTAL*	296	25	29	34	31	19	28	18	21	24	18	28	21

*Includes individuals with unknown causes

CAUSES OF DEATH AMONG INDIVIDUALS 60 YEARS OF AGE AND OLDER, FOR RESIDENTS AND NON-RESIDENTS OF NURSING FACILITIES AND RELATED INSTITUTIONS (NF&RI)

CAUSE	1CD-9 CODE	NF&RI RESIDENTS NUMBER	NF&RI RESIDENTS PERCENT	NF&RI NON-RESIDENTS NUMBER	NF&RI NON-RESIDENTS PERCENT
ALL CAUSES		288	100.00	2,747	100.00
SELECTED NATURAL CAUSES					
Septicemia	038	5	1.74	33	1.20
Malignant Neoplasms	140-208	31	10.76	679	24.72
Diabetes Mellitus	250	23	7.99	160	5.82
Malnutrition	263	2	0.69	10	0.36
Dehydration	276.5	2	0.69	6	0.22
Diseases of Heart	390-398, 402, 404-429	67	23.26	794	28.90
Hypertension	401, 403	2	0.69	30	1.09
Cerebrovascular Diseases	430-438	34	11.81	197	7.17
Atherosclerosis	440	2	0.69	8	0.29
Pneumonia & Influenza	480-487	7	2.43	79	2.88
Chronic Obstructive Pulmonary Disease	490-496	21	7.29	143	5.21
Ulcer (Stomach & Duodenum)	531-533	2	0.69	8	0.29
Hernia and Intestinal Obstruction	550-553, 560	3	1.04	12	0.44
Chronic Liver Disease	571	5	1.74	56	2.04
Nephritis	580-589	5	1.74	22	0.80
SELECTED EXTERNAL CAUSES					
Accidents (all)	E800-E949	2	0.69	49	1.78
Fracture	E887, E888	1	0.35	8	0.29
Drowning	E910.4, E910.8, E910.9	0	0.00	0	0.00
Suffocation/Strangulation	E911-E913	0	0.00	3	0.11
Concussion	E928.9	0	0.00	2	0.07
Suicide	E950-E959	0	0.00	9	0.33
Homicide	E960-E978	0	0.00	3	0.11
ALL OTHER CAUSES		75	26.04	449	16.34

REGION 10 Continued **NURSING HOME DEATHS BY CAUSE OF DEATH, GENDER AND AGE**

		0-21	22-49	50-59	60-69	70-79	80-89	90+	TOTAL *
ALL CAUSES	male	0	0	6	10	30	49	25	120
	female	0	0	1	4	28	73	69	176
SELECTED NATURAL CAUSES									
Septicemia	male	0	0	0	0	0	2	0	2
	female	0	0	0	0	0	2	1	3
Malignant Neoplasms	male	0	0	2	1	9	7	2	21
	female	0	0	0	1	5	4	2	12
Diabetes Mellitus	male	0	0	0	2	3	5	1	11
	female	0	0	0	0	1	9	2	12
Malnutrition	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	0	0	2	2
Dehydration	male	0	0	0	0	0	0	1	1
	female	0	0	0	0	0	0	1	1
Diseases of Heart	male	0	0	2	2	4	11	2	21
	female	0	0	1	1	5	25	17	49
(Cardiac Arrest < 62 yrs)	male	0	0	0	0	-	-	-	0
	female	0	0	0	0	-	-	-	0
Hypertension	male	0	0	0	0	0	0	0	0
	female	0	0	0	1	0	0	1	2
Cerebrovascular Diseases	male	0	0	0	1	1	6	1	9
	female	0	0	0	1	7	5	12	25
Atherosclerosis	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	0	1	1	2
Pneumonia & Influenza	male	0	0	0	0	1	0	0	1
	female	0	0	0	0	0	0	6	6
Chronic Obstructive Pulmonary Disease	male	0	0	0	0	0	3	2	5
	female	0	0	0	0	3	9	4	16
Ulcer (Stomach & Duodenum)	male	0	0	0	0	0	1	0	1
	female	0	0	0	0	1	0	0	1
Hernia and Intestinal Obstruction	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	0	2	1	3
Chronic Liver Disease	male	0	0	0	1	2	1	0	4
	female	0	0	0	0	1	0	0	1
Nephritis	male	0	0	0	0	1	1	1	3
	female	0	0	0	0	0	0	2	2
SELECTED EXTERNAL CAUSES									
Accidents (all)	male	0	0	0	1	0	0	0	1
	female	0	0	0	0	0	1	0	1
Fracture	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	0	0	1	1
Drowning	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	0	0	0	0
Suffocation/Strangulation	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	0	0	0	0
Concussion	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	0	0	0	0
Suicide	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	0	0	0	0
Homicide	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	0	0	0	0
ALL OTHER CAUSES	male	0	0	2	2	9	12	15	40
	female	0	0	0	0	5	15	17	38

*Total includes individuals with unknown ages.



REGION 11

DEMOGRAPHICS¹

Licensed Facilities **91**
 Licensed Beds **7,791**
 # Of Deaths **1,100**
 Mean Age at Death **82.8**

¹ Includes data from licensed nursing facilities and facilities for the mentally retarded.

TIME OF DEATH BY PLACE OF DEATH

	TOTAL	7a-2:59p	3p-10:59p	11P-5:59a	UKN
Nursing Home	931	298	310	296	25
Inpatient	108	34	29	36	9
ER/Outpatient	48	19	10	16	3
DOA-Hospital	2	1	0	1	0
Other/unk	11	5	2	3	1
TOTAL	1100	357	351	354	38

AGE AT DEATH BY MONTH OF DEATH

AGE	TOTAL	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0-21	1	0	0	0	0	0	0	0	0	0	0	0	1
22-49	20	1	0	3	2	2	3	1	2	5	0	0	1
50-59	31	1	5	3	2	2	2	2	6	4	1	2	1
60-69	65	6	5	2	4	7	11	6	5	4	4	8	3
70-79	201	13	26	21	15	20	23	12	16	15	16	15	9
80-89	466	38	44	45	37	44	42	39	44	33	27	40	33
90+	314	26	32	26	33	40	22	27	19	29	19	23	18
TOTAL*	1,100	85	112	100	93	115	104	87	92	90	67	88	67

*Includes individuals with unknown causes

CAUSES OF DEATH AMONG INDIVIDUALS 60 YEARS OF AGE AND OLDER, FOR RESIDENTS AND NON-RESIDENTS OF NURSING FACILITIES AND RELATED INSTITUTIONS (NF&RI)

CAUSE	1CD-9 CODE	NF&RI RESIDENTS NUMBER	NF&RI RESIDENTS PERCENT	NF&RI NON-RESIDENTS NUMBER	NF&RI NON-RESIDENTS PERCENT
ALL CAUSES		1,046	100.00	6,660	100.00
SELECTED NATURAL CAUSES					
Septicemia	038	15	1.43	113	1.70
Malignant Neoplasms	140-208	149	14.24	1557	23.38
Diabetes Mellitus	250	60	5.74	406	6.10
Malnutrition	263	6	0.57	13	0.20
Dehydration	276.5	3	0.29	12	0.18
Diseases of Heart	390-398, 402, 404-429	308	29.45	2300	34.53
Hypertension	401, 403	13	1.24	53	0.80
Cerebrovascular Diseases	430-438	96	9.18	435	6.53
Atherosclerosis	440	34	3.25	52	0.78
Pneumonia & Influenza	480-487	63	6.02	212	3.18
Chronic Obstructive Pulmonary Disease	490-496	51	4.88	334	5.02
Ulcer (Stomach & Duodenum)	531-533	2	0.19	10	0.15
Hernia and Intestinal Obstruction	550-553, 560	3	0.29	19	0.29
Chronic Liver Disease	571	9	0.86	98	1.47
Nephritis	580-589	11	1.05	58	0.87
SELECTED EXTERNAL CAUSES					
Accidents (all)	E800-E949	7	0.67	121	1.82
Fracture	E887, E888	2	0.19	24	0.36
Drowning	E910.4, E910.8, E910.9	0	0.00	2	0.03
Suffocation/Strangulation	E911-E913	0	0.00	5	0.08
Concussion	E928.9	1	0.10	7	0.11
Suicide	E950-E959	0	0.00	36	0.54
Homicide	E960-E978	0	0.00	4	0.06
ALL OTHER CAUSES		216	20.65	827	12.42

REGION 11 Continued **NURSING HOME DEATHS BY CAUSE OF DEATH, GENDER AND AGE**

		0-21	22-49	50-59	60-69	70-79	80-89	90+	TOTAL *
ALL CAUSES	male	0	12	18	37	98	173	89	428
	female	1	8	13	28	103	293	225	672
SELECTED NATURAL CAUSES									
Septicemia	male	0	1	0	0	2	2	2	8
	female	0	0	1	0	2	3	4	10
Malignant Neoplasms	male	0	5	5	14	27	33	10	94
	female	0	4	3	9	19	30	7	72
Diabetes Mellitus	male	0	0	1	4	7	10	0	22
	female	0	2	1	6	11	15	7	42
Malnutrition	male	0	0	0	0	1	0	1	2
	female	0	0	0	0	0	1	3	4
Dehydration	male	0	0	0	0	1	1	0	2
	female	0	0	0	0	1	0	0	1
Diseases of Heart	male	0	2	2	6	21	51	36	118
	female	0	0	1	5	23	88	78	195
(Cardiac Arrest < 62 yrs)	male	0	0	0	0	-	-	-	0
	female	0	0	0	0	-	-	-	0
Hypertension	male	0	0	1	0	1	4	1	7
	female	0	0	0	0	2	1	4	7
Cerebrovascular Diseases	male	0	0	1	1	11	15	9	37
	female	0	0	3	2	8	33	17	63
Atherosclerosis	male	0	0	1	0	2	4	3	10
	female	0	0	1	0	3	7	15	26
Pneumonia & Influenza	male	0	0	2	2	2	9	2	17
	female	1	0	0	1	7	27	13	49
Chronic Obstructive Pulmonary Disease	male	0	1	1	2	5	11	5	25
	female	0	0	1	2	6	13	7	29
Ulcer (Stomach & Duodenum)	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	1	0	1	2
Hernia and Intestinal Obstruction	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	3	0	0	3
Chronic Liver Disease	male	0	1	3	0	0	2	0	6
	female	0	0	1	1	2	3	1	8
Nephritis	male	0	0	0	1	1	1	1	4
	female	0	0	0	1	0	2	4	7
SELECTED EXTERNAL CAUSES									
Accidents (all)	male	0	0	1	0	0	1	1	3
	female	0	1	0	0	0	0	5	6
Fracture	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	0	0	2	2
Drowning	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	0	0	0	0
Suffocation/Strangulation	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	0	0	0	0
Concussion	male	0	0	0	0	0	0	0	0
	female	1	1	0	0	0	0	0	0
Suicide	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	0	0	0	0
Homicide	male	0	0	0	0	0	0	0	0
	female	0	0	0	0	0	0	0	0
ALL OTHER CAUSES	male	0	2	0	7	17	29	18	73
	female	0	1	1	1	15	70	59	148

*Total includes individuals with unknown ages.